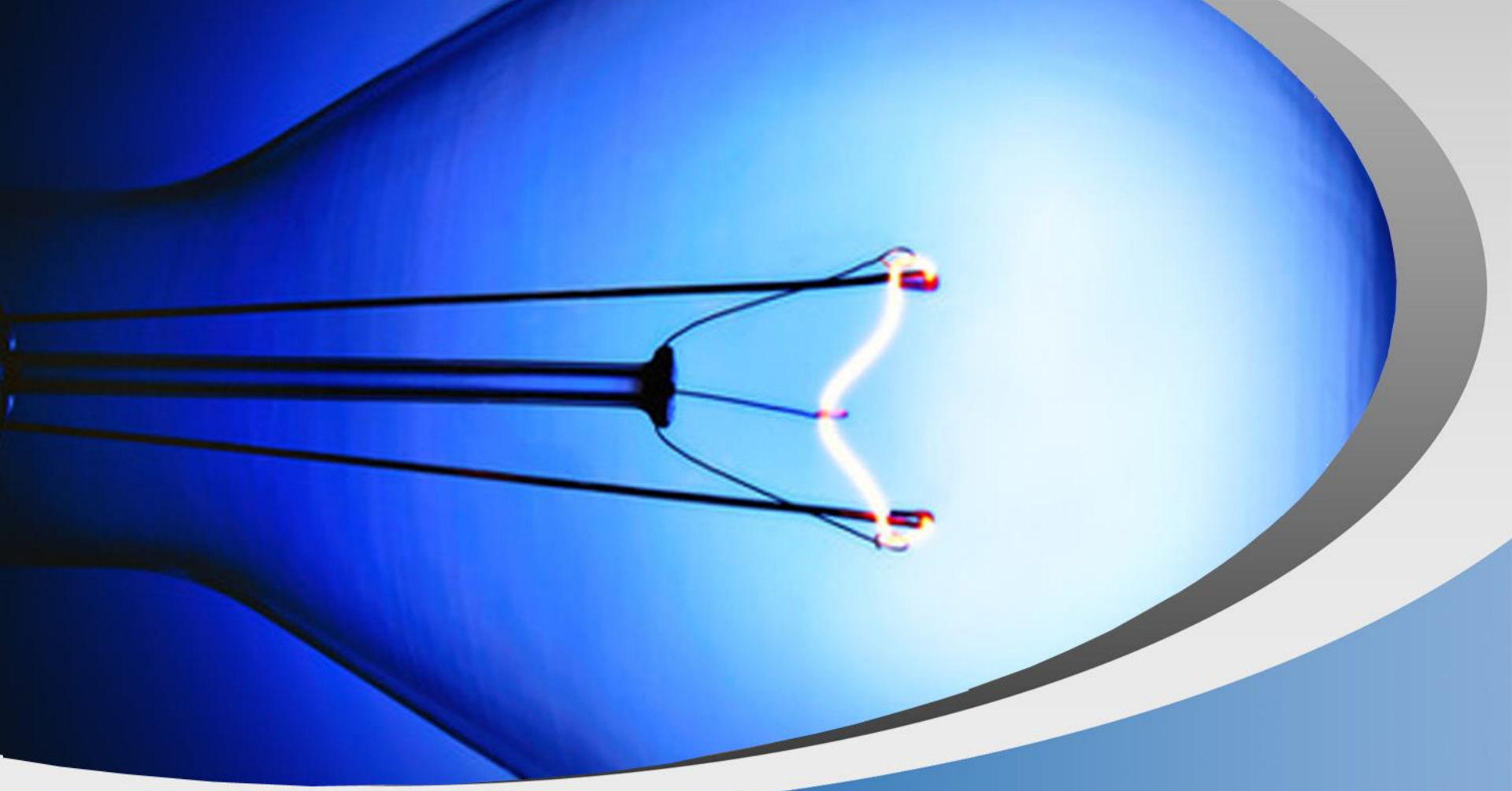

SystemC CCI WG
Hierarchical Value Update Example

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December 2016

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Hierarchical Value Update

- **Objective of the present example is to demonstrate the following :**
  - Configurator perspective: show how to update all parameters which matches to a given name pattern

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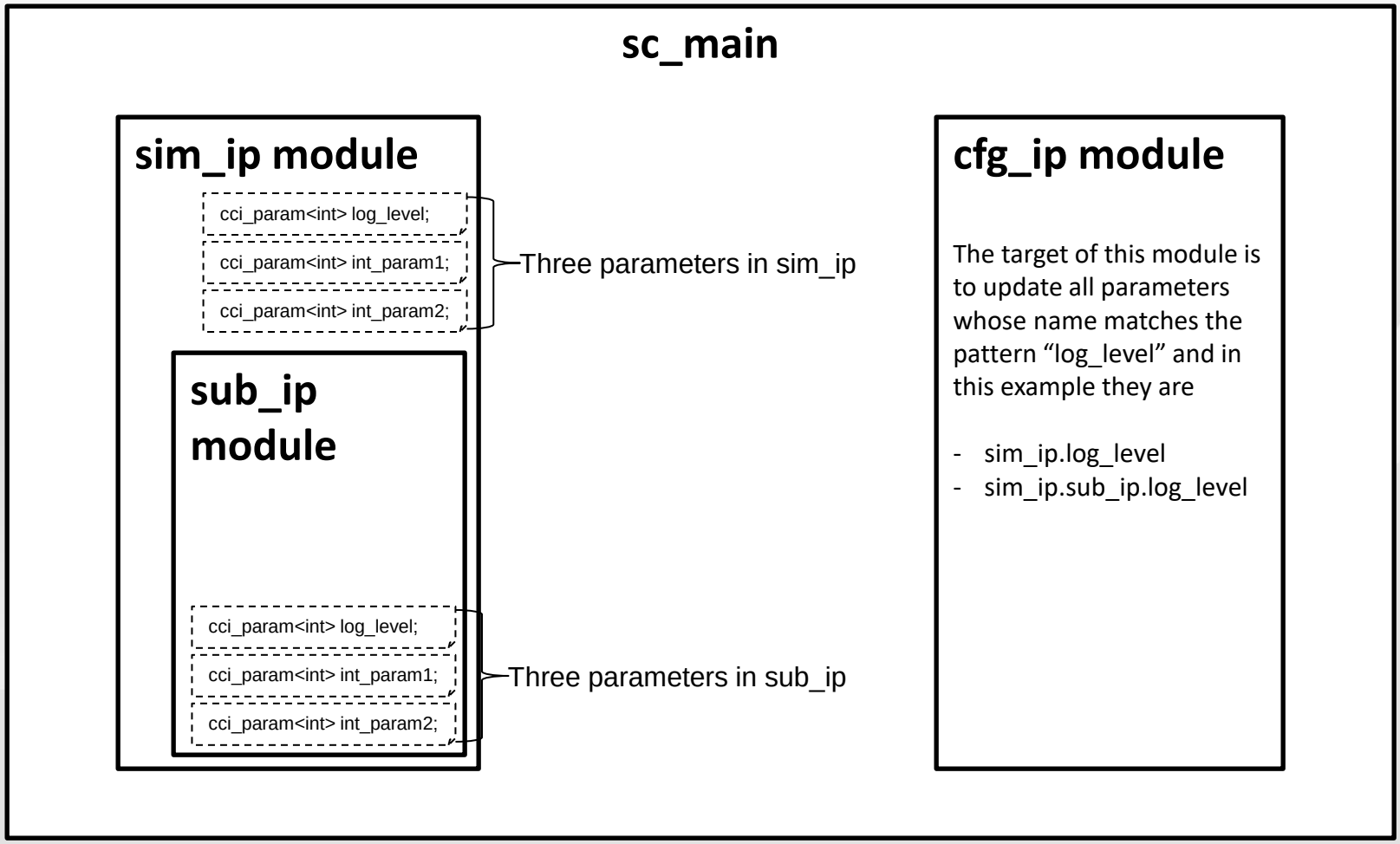
Example Illustration



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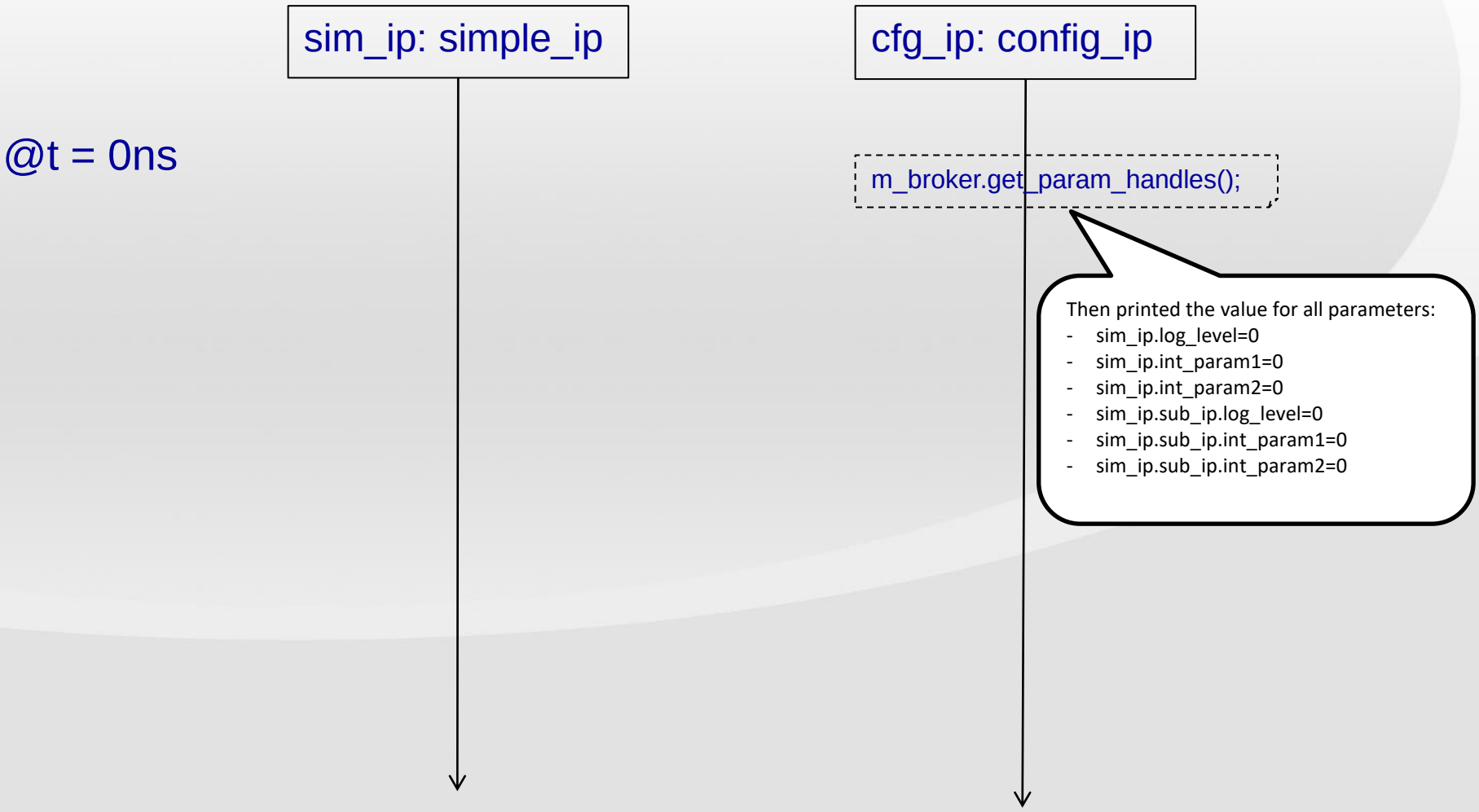
Example Sequence Diagram (1)



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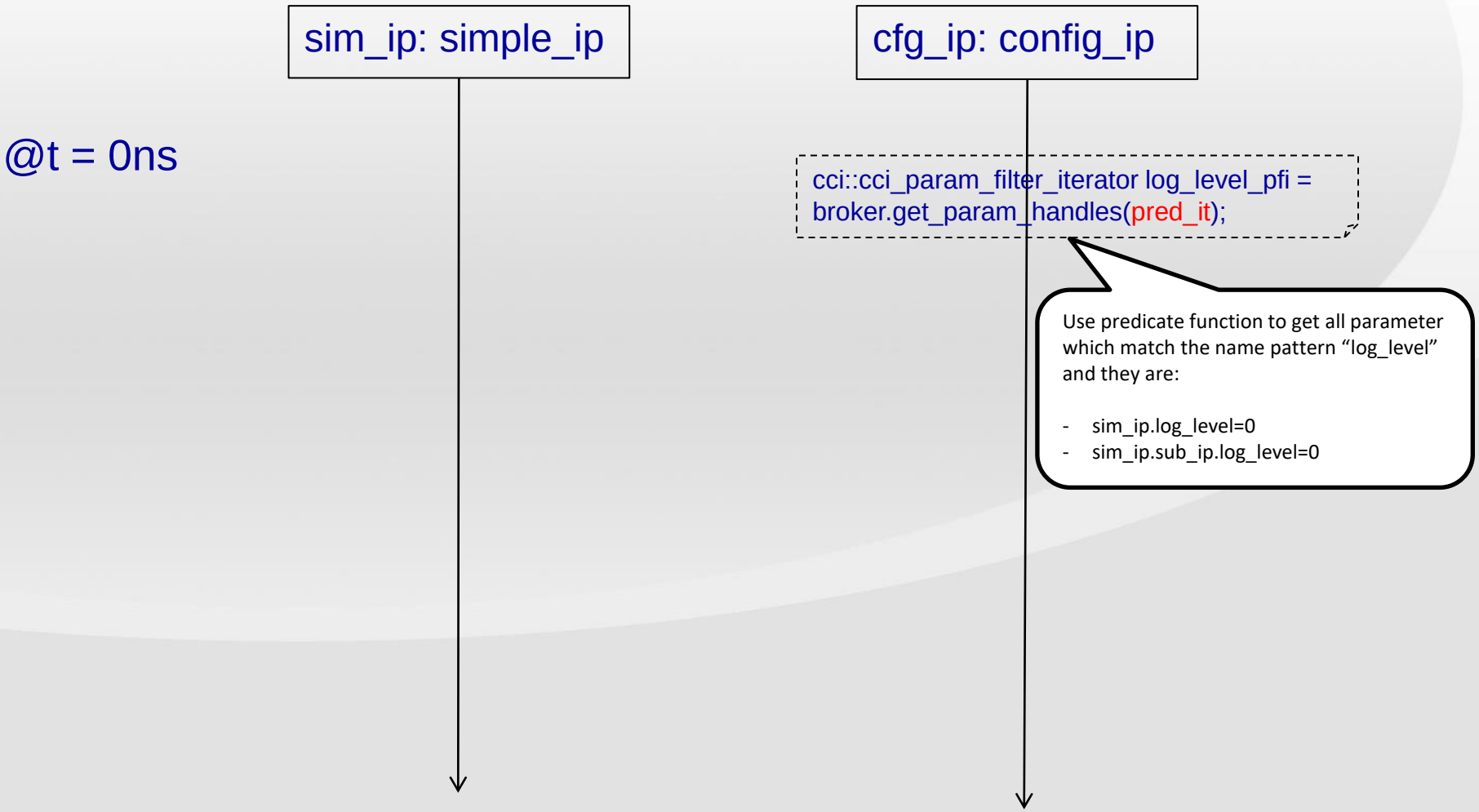
Example Sequence Diagram (2)



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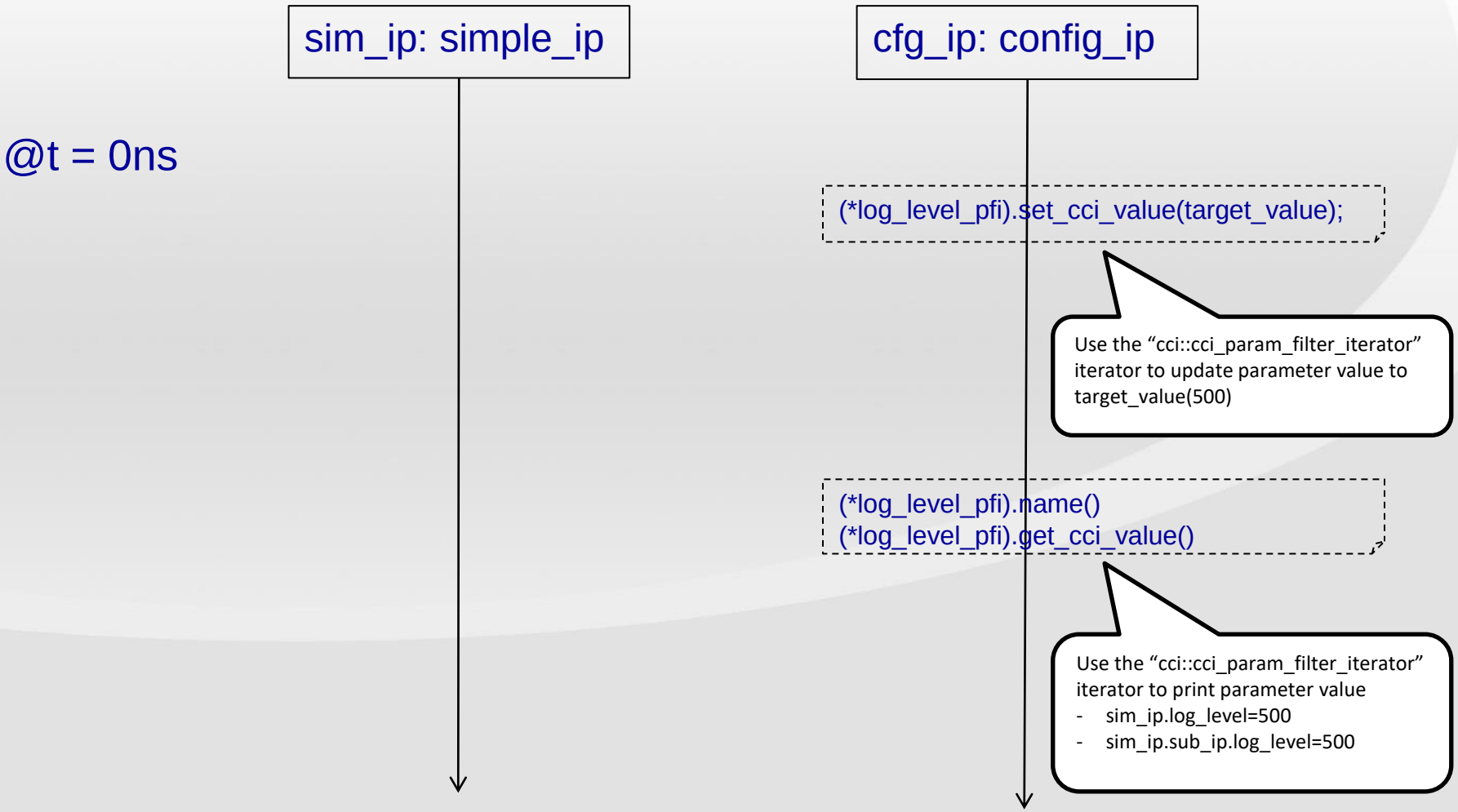
Example Sequence Diagram (3)



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Expected Output
(ex23_Hierarchical_Value_Update.log)

```
SystemC Simulation
Info: sc_main: Begin Simulation.
Info: cfg_ip: @0 s, execute: List all parameters inside simple_ip
sim_ip.int_param1 = 0
sim_ip.int_param2 = 0
sim_ip.log_level = 0
sim_ip.sub_ip.int_param1 = 0
sim_ip.sub_ip.int_param2 = 0
sim_ip.sub_ip.log_level = 0
Info: cfg_ip: @0 s, execute: List all 'log_level' parameter inside simple_ip
sim_ip.log_level = 0
sim_ip.sub_ip.log_level = 0
Info: cfg_ip: @0 s, execute: Update all 'log_Level' parameters' value to 500
Info: cfg_ip: @0 s, execute: List all 'log_Level' parameter inside simple_ip
sim_ip.log_level = 500
sim_ip.sub_ip.log_level = 500
Info: sc_main: End Simulation.
```


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